

## ABSTRACT

## **USE OF THE BNM3 TRANSCRIPTIONAL ACTIVATOR TO CONTROL PLANT EMBRYOGENESIS AND REGENERATION PROCESS**

The present invention provides for a gene obtained during the induction of microspore embryogenesis. The protein encoded by this gene renders plant cells embryogenic, and increases the regenerative capacity of the plant cell. Also disclosed is the regulatory region of this gene and its use for directing the expression of a gene of interest within a suitable host cell.

四庫全書